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**Ultrasonic wave medical treatment appts for targets e.g tumours and  
calculi with MRI guidance - uses ultrasonic wave applicator for  
generating waves focussed onto treatment target incorporated within table  
for carrying patient into MRI gantry**

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Number of Countries: 004    Number of Patents: 005

Basic Patent:

Patent No	Kind	Date	Applicat No	Kind	Date	Week
EP 614651	A1	19940914	EP 94103587	A	19940309	199435 B

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Abstract (Basic): EP 614651 A

The medical treatment appts includes an ultrasonic wave applicator (1) integrally incorporated within a treatment table (22) for carrying the patient into an MRI gantry (25) for taking the MR images. The surface coil for taking the MR images can be provided on a surface film of a water bag (5) in the ultrasonic wave applicator (1) or on a body cavity probe on which the ultrasonic transducer (2) is located.

The mixing rate of the coupling fluid can be adjusted and the impedance matching between the ultrasonic transducer (2) and the driving circuit (12) can be maintained by minimising the reflected electric power from the transducer.

USE/ADVANTAGE - Treating targets e.g tumours inside body under guidance of magnetic resonance imaging. Eliminates need for re-positioning of ultrasonic wave applicator with respect to patient. High resolution.